

WHAT IS CLAIMED IS:

1 1. A method for identifying a lost call location in a wireless network system

2 comprising:

3 receiving a connect message from a mobile terminal to establish a call;

4 continuously monitoring radio signals associated with the established call;

5 determining if a parameter associated with the continuously monitored radio

6 signal falls below a threshold; and

7 providing information associated with the location of the mobile terminal if

8 the parameter falls below the threshold.

1 2. The method of claim 1, wherein the step of continuously monitoring further

2 includes the step of:

3 sending a trigger message responsive to receiving the connect message;

4 wherein the trigger message causes the continuous monitoring of the radio

5 signals.

1 3. The method of claim 1, wherein

2 the step of providing information includes storing the information associated

3 with the location of the mobile terminal if the parameter falls below the threshold; and

4 the step of continuously monitoring includes the steps of,

5 continuously updating the information associated with the location of

6 the mobile terminal;

7 receiving a termination message from an MSC associated with a

8 normal termination of the call; and

9 discarding the updated information associated with the location of the
10 mobile terminal in response to the normal termination of the call.

1 4. The method of claim 1, wherein the threshold is a zero signal strength level.

1 5. The method of claim 1, wherein the information includes the location of the
2 mobile terminal in terms of longitude and latitude.

1 6. The method of claim 1, wherein the information includes a time stamp.

1 7. A wireless network system comprising:
2 a MSC; and
3 a controller coupled to the MSC, the controller configured to,
4 receive a connect message from a mobile terminal to establish a call;
5 continuously monitor radio signals associated with the established call;
6 determine if a parameter associated with the continuously monitored
7 radio signals falls below a threshold; and
8 provide information associated with the location of the mobile terminal
9 if the parameter falls below the threshold.

1 8. The wireless network system of claim 7, wherein the controller comprises:
2 a Position Control Center (PCC) receiving the connect message and outputting
3 a trigger message in response thereto; and

4 a Position Detection Center (PDC) continuously monitoring for the radio
5 signal in response to the trigger message.

9. The wireless network system of claim 7, wherein
2 the controller comprises a Position Database (PDB) storing the information
3 associated with the location of the mobile terminal; and wherein
4 the controller, in continuously monitoring, is further configured to,
5 continuously update the information associated with the location of the
6 mobile terminal;
7 receive a termination message from the MSC associated with a normal
8 termination of the call; and
9 discard the updated information associated with the location of the
10 mobile terminal in response the normal termination of the call.

10. The wireless network system of claim 7, wherein the threshold is a zero signal
strength level.

11. The wireless network system of claim 7, wherein the information includes the
location of the mobile terminal in terms of longitude and latitude.

12. The wireless network system of claim 7, wherein the information includes a time stamp.